

CLAIMS

1. A cockroach trap, comprising:  
a plate;  
5 a first birdlime adhered to at least a portion of the plate;  
a slant having an inclined plane and a vertical section, the slant being  
disposed on the plate and adjacent to at least a part of the first birdlime; and  
a second birdlime adhered onto the vertical section.
- 10 2. The cockroach trap of claim 1, comprising at least one slant surrounding the  
first birdlime.
3. The cockroach trap of claim 1, further comprising a cover disposed in a  
manner such that a gap is formed between the cover and the slant, wherein  
15 the gap functions as a path for cockroaches.
4. The cockroach trap of claims 1, wherein a material for attracting cockroaches  
is disposed on the first birdlime.
- 20 5. The cockroach trap of claims 4, wherein the material is selected from the  
group consisting of pheromone, feed, a dead body of a cockroach, and combinations  
thereof.
6. The cockroach trap of claim 3, wherein the gap is between 7mm to 10mm.  
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7. The cockroach trap of claim 1, wherein a portion of the plate is subsided and  
the first birdlime is adhered to the subsided portion of the plate.
8. The cockroach trap of claim 1, wherein the plate has more than one side and  
30 the inclined plane is formed at the end of the side along which the slant is disposed.
9. The cockroach trap of claim 8, wherein the slant angle of the inclined plane at  
the ends of the plate is smaller than the slope of the inclined plane of the slant.
- 35 10. The cockroach trap of claim 1, further comprising:  
a sensor for detecting cockroaches passing the inclined plane of the slant,

wherein the sensor is installed near both ends of the slant; and  
a control unit connected to the sensor and being configured to count a number of the cockroaches detected by the sensor.

- 5 11. The cockroach trap of claim 10, wherein the sensor is selected from the group consisting of infrared sensor, ultrasonic sensor, laser sensor, electrostatic capacity sensor, and combinations thereof.
12. The cockroach trap of claim 11, further comprising a communication unit for  
10 transmitting the counted number of cockroaches to a remote place.
13. The cockroach trap of claim 1, further comprising a display for indicating a time to replace the birdlime.
- 15 14. The cockroach trap of claim 10, further comprising a display for indicating the status of the sensor or the control unit.
15. A cockroach trap, comprising:  
a plate;  
20 a first birdlime adhered to at least a portion of the plate;  
a protruding part including at least one strip located on the plate and adjacent to at least a part of the first birdlime; and  
a second birdlime adhered to side walls of the strip adjacent to the first birdlime.
- 25 16. The cockroach trap of claim 15, comprising at least one protruding part surrounding the first birdlime.
17. The cockroach trap of claim 15, further comprising a cover disposed in a  
30 manner such that a gap is formed between the cover and the protruding part, wherein the gap functions as a path for cockroaches.
18. The cockroach trap of claims 15, wherein a material for attracting cockroaches is disposed on the first birdlime.
- 35 19. The cockroach trap of claims 18, wherein the material is selected from the

group consisting of pheromone, feed, a dead body of a cockroach, and combinations thereof.

20. The cockroach trap of claim 17, wherein the gap is between 7mm to 10mm.

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21. The cockroach trap of claim 15, wherein a portion of the plate is subsided and the first birdlime is adhered to the subsided portion of the plate.

22. The cockroach trap of claim 15, wherein the plate has more than one side and an inclined plane is formed at the end of the side along which the protruding part is disposed.

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23. The cockroach trap of claim 15, further comprising:

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a sensor for detecting cockroaches passing the protruding part, wherein the sensor is installed near both ends of the protruding part; and

a control unit connected to the sensor and being configured to count a number of the cockroaches detected by the sensor.

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24. The cockroach trap of claim 23, wherein the sensor is selected from the group consisting of infrared sensor, ultrasonic sensor, laser sensor, electrostatic capacity sensor, and combinations thereof.

25. A cock roach trap assembly including one or more cockroach traps, wherein at least one of the traps comprises:

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a plate;

a first birdlime adhered to at least a portion of the plate;

a slant having an inclined plane and a vertical section, the slant being disposed on the plate and adjacent to at least a part of the first birdlime; and

a second birdlime adhered on the vertical section.

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